

### Stamford WPCA Top Issues (7-15-19)

No.	Issue	Action Description	Impact	Status	Schedule
1	Extreme wet weather - high flow discharge and permit exceedance on 5/1/14	Perform an Infiltration and Inflow (I/I) Study to identify and remove extraneous flows caused by rainfall and high groundwater	Regulatory and Operations	Phase I SSES (CCTV, smoke testing) and Pilot Area Sewer Rehabilitation has been completed	CDM Smith has completing the design of sewer and MH rehabilitation identified by Phase I SSES, and is preparing the report for the Phase II SSES.
2	UV System Performance and Permit Exceedances	Improve reliability of UV disinfection system to avoid permit exceedances.	Regulatory and Operations	UV Channel 2 was removed from service to troubleshoot an overload electrical alarm that sporadically shuts down the UV lamps. Electrical components that were suspected to be the cause were replaced as recommended by UV system manufacturer, but the problem continues.	Have contracted with Wedeco/Xylem, the UV system manufacturer to have their service technician come to the plant on July 23 <sup>rd</sup> to trouble shoot the problem..  Two (2) new UV channels to be completed by June 2020 as part of the Preliminary, Secondary and Disinfection Treatment Improvements.
3	Odor Control	Minimize odors off site at treatment plant	Operations	All odor control scrubbers are in service.	
4	WPCF evaluations and improvements	Study, design, and construct WPCF improvements to replace aged equipment and increase operations and energy efficiency.	Regulatory and Operations	Had preconstruction meeting with C H Nickerson for Preliminary, Secondary and Disinfection Treatment Improvements on 6/4/19	C H Nickerson to mobilize on site in mid-July. Construction to start in earnest in August.
5	Reduce energy costs	Evaluate and implement energy conservation measures (ECM)	Operations and Financial	Interviewed firms who submitted proposals for LED lighting and selected Energy Resources.	LED lighting to be installed in Sludge Processing, Administration and Chemical Buildings in September.

6	Personnel Safety	Comply with requirements for arc flash protection.	Operations	Dyke Lane PS electrical upgrade project has been completed.	Meeting with firms interested in performing the electrical preventive maintenance (EPM). At least two (2) firms have indicated they will respond to a RFP.
7	Sludge dryer is having operational issues that are reducing its production from 25 dry tons per day (DT/D) to only 16 DT/D. Sludge incinerators in CT operating at capacity limiting our options for sludge cake disposal to landfills out of state. Landfills are becoming more restrictive on sludge cake disposal.	Synagro is currently evaluating the dryer operational issues and will make a recommendation.  SWPCA needs to evaluate increasing sludge drying capacity (second dryer) as well as other long term options. Look at siting and cost for a storage building for sludge trailers to contain and treat odors.	Operations	The sludge dryer operation has improved. Met with Synagro managers and staff engineer on 6/13 to discuss dryer operation.	Synagro to evaluate means to better clean the polycyclone that has been plugging from fibers in the dried sludge. SWPCA will evaluate adding another strain press to remove fiber from primary sludge.  SWPCA will prepare a RFQ for a consulting engineer to do a Sludge Management Master Plan.
8	Agreement with Darien expired on July 1, 2018	Negotiate new agreement for another 5 year term to include two (2) currently unmetered inter-connections and remote access of real time flow measurement at all meters to measure peak flows.	Operations and Financial	Darien has agreed to accept change in contract language that provides limits for either average or peak flows.	New agreement to be reviewed by Board at its meeting on July 15 <sup>th</sup> .
9	Stamford Housing Authority's payment of sewer user charge for Oak Park	Stamford Housing Authority contends that it should not have been billed for sewer use since it makes payments in lieu of taxes (PILOT) to the City for Oak Park. The Housing Authority contends that the PILOT payments are for all city services, including sewer use.	Financial	Will meet with the Stamford Housing Authority on July 16 <sup>th</sup> .	
10	Have a number of open positions that are affecting adequate treatment plant staffing for 24/7 operation. P Chakravarti retiring on 7/19.	Fill open positions for Plant Supervisor, Shift Foremen (2), and Supervising Engineer.	Regulatory and Operations	Some day-shifts are being supervised by Class III certified Plant Operators under supervision of Acting Plant Supervisor.	Interviewed four (4) candidates for Plant Supervisor.  Actively recruiting for Supervising Engineer.

